

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (amended) A method of rendering a halftone cell comprising a plurality of pixels, said method comprising the steps of:
  - (a) rendering a visually perceptible first pixel at a first intensity; and
  - (b) rendering a visually perceptible second pixel at a second intensity, said second intensity being greater than a minimum intensity, less than a maximum intensity, and substantially different from said first intensity
2. (original) The method of claim 1 wherein said second pixel is displaced vertically and horizontally relative to said first pixel.
3. (original) The method of claim 1 wherein said second intensity differs from said first intensity by approximately one half the difference between said maximum and said minimum intensities.
4. (amended) A method of rendering a halftone cell comprising an array of dots, a dot comprising at least one pixel, said method comprising the steps of:
  - (a) rendering a visually perceptible first dot at a first intensity;
  - (b) rendering a visually perceptible second dot ~~pixel~~ at substantially said first intensity, said second dot being displaced vertically and horizontally in said array from said first dot;
  - (c) rendering a visually perceptible third dot ~~pixel~~ at a second intensity, said second intensity being greater than a minimum intensity, less than a maximum intensity, and substantially different from said first intensity; and

(d) rendering a visually perceptible fourth dot at substantially said second intensity, said fourth dot being displaced vertically and horizontally relative to said third dot.

5. (original) The method of claim 4 wherein said second intensity differs from said first intensity by approximately one half the difference between said maximum and said minimum intensities.

6. (amended) A method of rendering a halftone image comprising a plurality of halftone cells, said method comprising the steps of:

- (a) sampling an intensity of an original image at a plurality of locations;
- (b) rendering a visually perceptible first pixel of a halftone cell at a first intensity in response to a first sample, said first intensity relating a location and an intensity of said first sample;
- (c) rendering a visually perceptible second pixel of said halftone cell at a second intensity in response to a second sample, said second intensity relating a location and an intensity of said second sample and being greater than a minimum intensity, less than a maximum intensity, and substantially different from said first intensity.

7. (original) The method of claim 6 wherein said second pixel is displaced vertically and horizontally relative to said first pixel in an array of pixels comprising of said halftone cell.

8. (original) The method of claim 6 wherein said difference between said first and said second intensities is approximately one half of a difference between said minimum and said maximum intensities.

9. (original) The method of claim 6 wherein the step of rendering a first pixel of a halftone cell at a first intensity in response to a first sample, said first intensity relating a location and an intensity of said first sample comprises the step of selecting a table according to said

location of said sample, said table comprising an intensity of said sample and a corresponding intensity of said pixel.

10. (original) The method of claim 6 wherein the step of rendering a first pixel of a halftone cell at a first intensity in response to a first sample, said first intensity relating a location and an intensity of said first sample comprises the steps of:

- (a) selecting a transfer function according to said location, said transfer function relating an intensity of said sample and a corresponding intensity of said pixel; and
- (b) calculating said intensity of said pixel from said intensity of sample in accordance with said transfer function.

11. (new) A method of rendering a halftone image comprising a plurality of halftone cells, said method comprising the steps of:

- (a) sampling an intensity of an original image at a plurality of locations;
- (b) rendering a first pixel of a halftone cell at a first intensity in response to a first sample, said first intensity relating a location and an intensity of said first sample by selecting a table according to said location of said sample, said table comprising an intensity of said sample and a corresponding intensity of said pixel;
- (c) rendering a second pixel of said halftone cell at a second intensity in response to a second sample, said second intensity relating a location and an intensity of said second sample and being greater than a minimum intensity, less than a maximum intensity, and substantially different from said first intensity.

12. (new) A method of rendering a halftone image comprising a plurality of halftone cells, said method comprising the steps of:

- (a) sampling an intensity of an original image at a plurality of locations;

Appl. No. 09/955,498  
Amdt. dated October 17, 2005  
Reply to Office action of May 16, 2005

- (b) rendering a first pixel of a halftone cell at a first intensity in response to a first sample, said first intensity relating a location and an intensity of said first sample, by:
  - (i) selecting a transfer function according to said location, said transfer function relating an intensity of said sample and a corresponding intensity of said pixel; and
  - (ii) calculating said intensity of said pixel from said intensity of sample in accordance with said transfer function; and
- (c) rendering a second pixel of said halftone cell at a second intensity in response to a second sample, said second intensity relating a location and an intensity of said second sample and being greater than a minimum intensity, less than a maximum intensity, and substantially different from said first intensity.